

# FILE NOTATIONS

Entered in NID File .....  
 Location Map Pinned .....  
 Card Indexed .....  
 ✓

Checked by Chief .....  
 Approval Letter .....  
 Disapproval Letter .....  
 PMS  
 1-21-69

## COMPLETION DATA:

Date Well Completed 5-22-69

Location Inspected .....

CW..... WW..... TA.....

Bond released

CW..... OS..... PA.....  
 ✓

State or Fee Land .....

## LOGS FILED

Driller's Log.....  
 6-9-69

Electric Logs (No.) .....  
 2

E..... I.....  
 E ✓ Dual I Lat..... GR-N..... Micro.....

BHC Sonic GR..... Lat..... Mi-L..... Sonic.....

CBLog..... CCLog..... Others.....  
 Acoustilog

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## b. TYPE OF WELL

OIL  
WELL ☒GAS  
WELL ☐OTHER ☐SINGLE  
ZONE ☒MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Monsanto Company

## 3. ADDRESS OF OPERATOR

Suite 1102 Lincoln Tower Bldg., Denver, Colorado 80203

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

SW NW 660' FWL, 2130 FNL

At proposed prod. zone

Vertical Hole

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

11 miles NW Red Mesa Village

16. DISTANCE FROM PROPOSED  
LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

3300

## 17. NO. OF ACRES IN LEASE

2560

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

2640

## 19. PROPOSED DEPTH

5300

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5080 RT (Est.)

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/4"	13 3/8" ✓	48.0 ✓	250 ✓	200sacks ✓

Water sands encountered will be protected by mud behind production casing should the well be productive.

Production casing, if run, will be 4 1/2" or 5 1/2" OD set through pay and sufficiently cemented to segregate all oil and gas strata.

Geed Lunny Plad

43-037 300 52

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

## 24.

SIGNED

TITLE District Production Supt.

DATE 1/20/69

(This space for Federal or State office use)

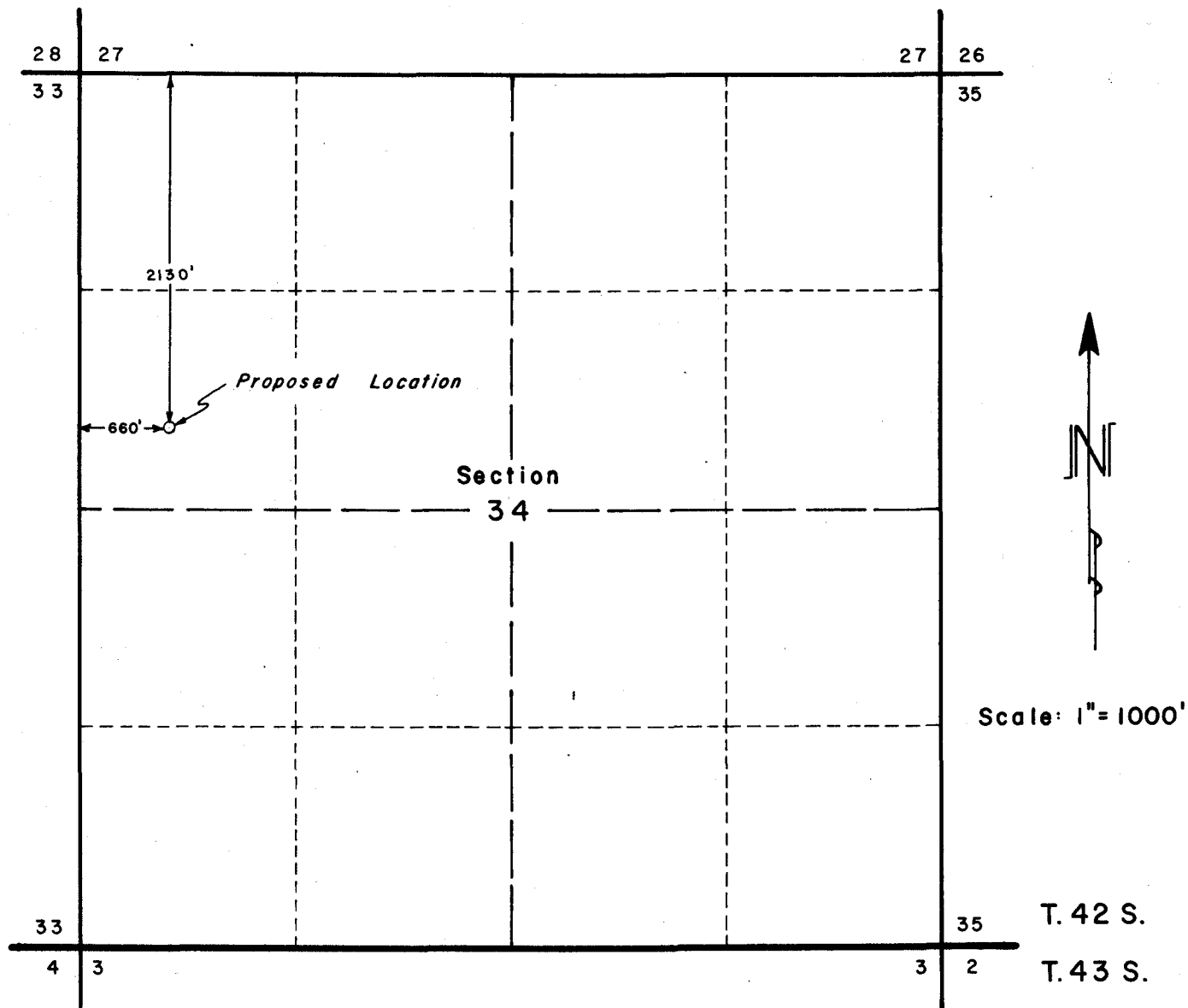
PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:



**WELL LOCATION: Monsanto Company — Red Lake No. 1**

Located 2130 feet South of the North line and 660 feet East of the West line of Section 34  
 Township 42 South      Range 22 East      S.L.B. Meridian  
 San Juan Co., Utah  
 Existing ground elevation determined at 5062 feet based on U.S.G.S.

I hereby certify the above plat represents a survey made under my supervision and that it is accurate to the best of my knowledge and belief.

*Frederick H. Reed*

FREDERICK H. REED  
 Registered Land Surveyor  
 State of Utah #2689



MONSANTO COMPANY Denver, Colorado	
WELL LOCATION PLAT SEC. 34, T. 42 S., R. 22 E. San Juan Co., Utah	
CLARK-REED & ASSOC. Durango, Colorado	DATE: Jan. 15, 1969 FILE NO: 69003

January 21, 1969

Monsanto Company  
Suite 1102 Lincoln Tower Building  
1860 Lincoln Street  
Denver, Colorado 80203

Re: Well No. Navajo Red Lake #1,  
Sec. 34, T. 42 S., R. 22 E.,  
San Juan County, Utah.

Gentlemen:

Insofar as this office is concerned, approval to drill the above mentioned well is hereby granted. However, this approval is conditional upon a surveyor's plat being furnished this office in accordance with with Rule C-4(a), General Rules and Regulations and Rules of Practice and Procedure, State of Utah Division of Oil and Gas Conservation.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify Paul W. Burchell, Chief Petroleum Engineer, Home: 277-2890, Office: 328-5771 - Salt Lake City, Utah.

This approval terminates within 90 days if the well has not been spudded-in within said period.

Enclosed please find Form OGC-8-X, Report of Water Encountered During Drilling, which is to be completed whether or not water sands (aquifers) are encountered while drilling. Your cooperation with respect to completing this form will be greatly appreciated.

Monsanto Company

January 21, 1969

-2-

The API number assigned to this well is 43-037-30032 (see Bulletin D12 published by the American Petroleum Institute).

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT  
DIRECTOR

CBF:scg

cc: U. S. Geological Survey  
P. T. McGrath, District Engineer  
Box 959  
Farmington, New Mexico

STATE OF UTAH

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

OIL &amp; GAS CONSERVATION COMMISSION

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☒ Other \_\_\_\_\_

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other Abandoned

2. NAME OF OPERATOR

Monsanto Company

3. ADDRESS OF OPERATOR

Suite 1102 Lincoln Tower Building, Denver, Colorado 80203

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface

SW NW Sec. 34, 660' FWL 2138' FNL

At top prod. interval reported below

At total depth Vertical Hole

14. PERMIT NO.

DATE ISSUED

1/21/69

15. DATE SPUDDED

2/2/69

16. DATE T.D. REACHED

2/20/69

17. DATE COMPL. (Ready to prod.)

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

5077 DF

19. ELEV. CASINGHEAD

5066 GR

20. TOTAL DEPTH, MD &amp; TVD

5346

21. PLUG, BACK T.D., MD &amp; TVD

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

5346

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

None

25. WAS DIRECTIONAL SURVEY MADE

Max. Dev. 2 deg. at 3168'

26. TYPE ELECTRIC AND OTHER LOGS RUN.

IESGR Sonic w/ Caliper

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
<u>13 3/8"</u>	<u>48.0#</u>	<u>271'</u>	<u>17 1/4</u>	<u>200 sacks</u>	<u>none</u>

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
						<u>None</u>	

31. PERFORATION RECORD (Interval, size and number)

None

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
<u>None</u>	

33.\* PRODUCTION

DATE FIRST PRODUCTION None PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in)

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE

District EngineerDistrict Production Supt.DATE 2/25/69

\*(See Instructions and Spaces for Additional Data on Reverse Side)

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

## 37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Ismay DST #1	4690	4780	Recovered 15' Mud. Tool open 10 min. - 44#, Shut-In 30 min. 566#, open 60 min. - 44#, Shut-In 120 min. 174#.
Ismay DST #2	4780	4810	Tool open 10 min. - 436#, Shut-In 30 min. 1480#, Tool open 30 min. - 392#-697#, Shut-In - 60 min. - 1480#, Tool open 60 min. 741#-1350#, Shut-In - 120 min. 1480 #. Gas to Surface in 3 min., 790 MCF/D in 10 min., 1098 MCF/D in 20 min., 725 MCF/D in 30 min., 159 MCF/D in 40 min., TSTM in 55 min., Rec. 60' HGCM, 3440 GCSW.
Akah DST #3	5220	5346	Recovered 15' Mud. Tool open 105 min. - 22# Shut-In - 210 min. - 87#

## 38.

## GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Wingate	250	250
Coconino	1850	1850
Cutler	2970	2970
Hermosa	3817	3817
Ismay	4717	4717
Desert Creek	4877	4877
Akah	5072	5072

FORM OGC-8-X

FILE IN QUADRUPLICATE

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL & GAS CONSERVATION  
1588 West North Temple  
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Red Lake #1  
Operator Monsanto Company Address Suite 1102 Lincoln Tower Building  
Denver, Colorado 80203 Phone 222-5641  
Contractor Arapahoe Drilling Company Address 915 Midland Savings Building  
Denver, Colorado 80202 Phone 534-0836  
Location SW 1/4 NW 1/4 Sec. 34 T. 42 S. R. 22 E San Juan County, Utah

Water Sands:

<u>Depth</u>		<u>Volume</u>	<u>Quality</u>	
From	To	Flow Rate or Head	Fresh or Salty	
1. <u>Surface</u>	<u>250'</u>	<u>Navajo</u>	<u>Not Measured</u>	<u>Not Available</u>
2. <u>1850'</u>	<u>2150'</u>	<u>Coconino</u>	<u>Not Measured</u>	<u>Not Available</u>
3. _____				
4. _____				
5. _____				

(Continue on reverse side if necessary)

Formation Tops:

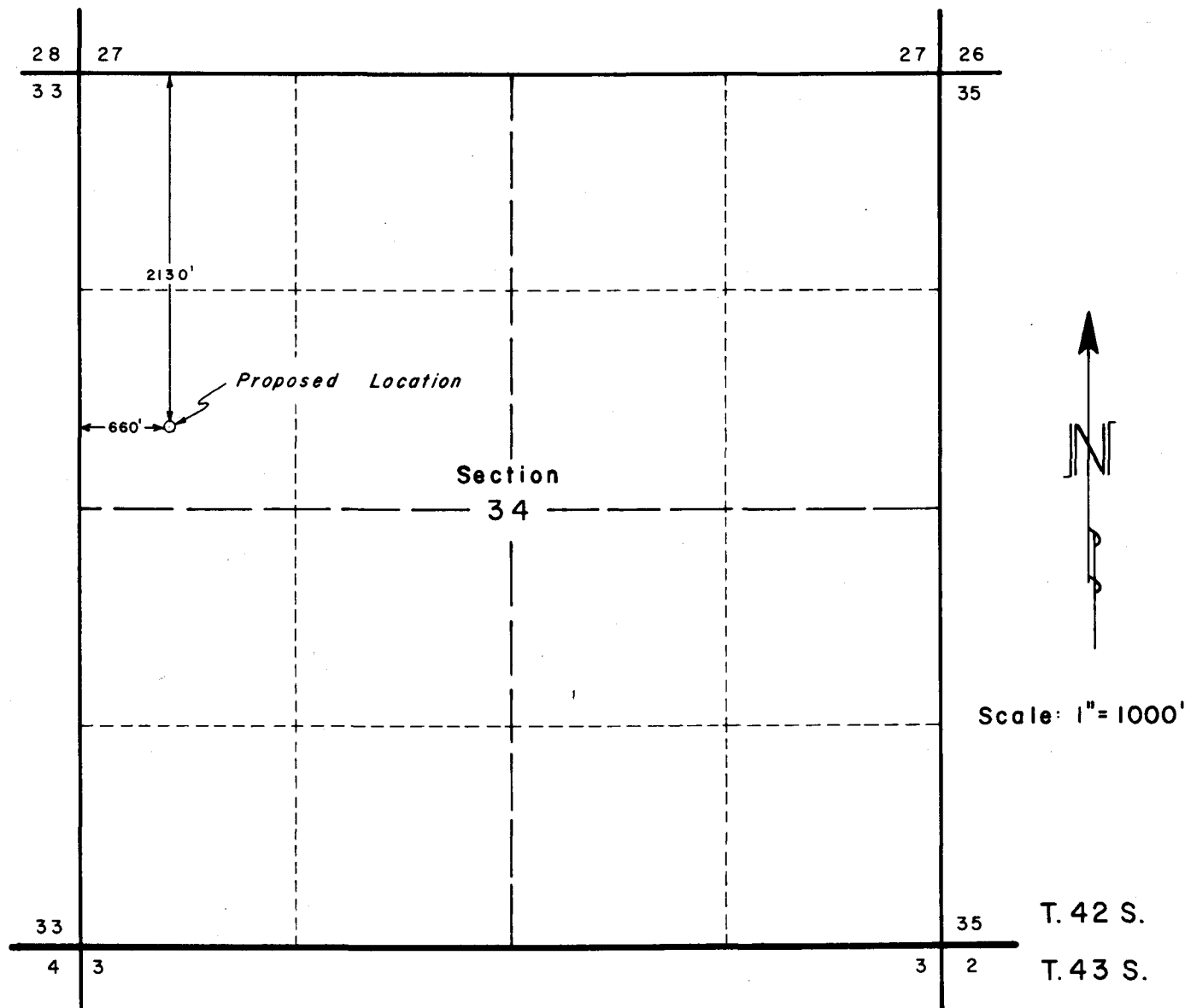
Cutler Evaporites	2970'	Desert Creek	4877'
Hermosa	3817'	Akah	5072'
Ismay	4718'	T.D.	5346'
Lower Ismay	4776'		

Remarks:

NOTE:

- Upon diminishing supply forms, please inform this office.
- Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure, (See Back of form).
- If a water analysis has been made of the above reported zone, please forward a copy along with this form.





**WELL LOCATION: Monsanto Company — Red Lake No. 1**

Located 2130 feet South of the North line and 660 feet East of the West line of Section 34  
 Township 42 South Range 22 East S.L.B. Meridian  
 San Juan Co., Utah  
 Existing ground elevation determined at 5062 feet based on U.S.G.S.

I hereby certify the above plat represents a survey made under my supervision and that it is accurate to the best of my knowledge and belief.

*Frederick H. Reed*

FREDERICK H. REED  
 Registered Land Surveyor  
 State of Utah # 2689



MONSANTO COMPANY Denver, Colorado	
WELL LOCATION PLAT SEC. 34, T. 42 S., R. 22 E. San Juan Co., Utah	
CLARK-REED & ASSOC. Durango, Colorado	DATE: Jan. 15, 1969 FILE NO: 69003

1588 West North Temple  
Salt Lake City, Utah 84116  
328-5771  
June 4, 1969

Monsanto Company  
Lincoln Tower Bldg. - Suite 1102  
Denver, Colorado 80203

Re: Well No. Red Lake #1  
Sec. 34, T. 42 S, R. 22 E,  
San Juan County, Utah

Gentlemen:

This letter is to advise you that the "Well Completion or Recompletion Report and Log" and ~~electric and/or radioactivity logs~~ for the above mentioned well are due and have not been filed with this office as required by our rules and regulations.

Please complete the enclosed Forms OGC-3, "Well Completion or Recompletion Report and Log", in duplicate and forward them to this office as soon as possible. ~~If electric and/or radioactivity logs~~ were not run, please make a statement to this effect in order for us to keep our records accurate and complete.

Your cooperation in this matter will be greatly appreciated.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

SHARON CAMERON  
RECORDS CLERK

sc

Enclosure: Forms OGC-3